
About this document

This document is a supplement to Meridian 1 NTPs. Provides information specific to the Meridian 1 implementation of the Fibre Remote Intelligent Peripheral Equipment (IPE) service.

It describes the operation of the fibre-optic equipment and provides specific information on how to install and maintain this equipment as an integral part of the Meridian 1 system. Fibre Remote IPE configuration procedures are identical to the equivalent non-fibre equipment in Meridian 1. However, there are some additional software commands that can be executed using the Man-Machine Interface (MMI) terminal to specifically control fibre-optic equipment.

The following describes what you will find in this document:

Product description describes the Fibre Remote IPE functional and physical characteristics, general engineering guidelines, and planning and ordering information.

Installation and configuration explains how to prepare the site, how to install fibre-optic equipment at Meridian 1 and Fibre Remote IPE sites, and how to connect the local and the remote sites to the fibre-optic span.

Acceptance testing describes how to perform functional tests to verify that the installed Fibre Remote IPE service is operating correctly.

Maintenance describes how to perform routine administrative and maintenance functions and how to troubleshoot the Fibre Remote IPE equipment and the fibre-optic span connections. It explains how to isolate problems, fix or replace defective equipment, and verify that the equipment is operating correctly after corrections or replacements have been made.

Appendix A lists messages generated by the Meridian 1 CPU and the remote fibre-optic equipment. These messages indicate the status of the equipment and identify a faulty component when problems occur.

This document provides detailed information on how to install, configure, and maintain the fibre-optic equipment; however, it also refers to various Meridian 1 NTPs that contain additional information, which may be required when installing and maintaining the Fibre Remote IPE.

References

The following is a list of documents that are referred to in this document for additional information:

- *Meridian 1 installation planning* (553-3001-120)
- *Meridian 1 system engineering* (553-3001-151)
- *Meridian 1 power engineering* (553-3001-152)
- *Meridian 1 system installation procedures* (553-3001-210)
- *X11 features and services* (553-3001-305)
- *X11 input/output guide* (553-3001-400)